

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method of ~~providing a multicast service from an~~ ~~delivering multicast service from an~~ information delivery apparatus to wireless terminals ~~that~~ ~~are experiencing different reception conditions within a service area~~, comprising the steps of:

transmitting, from the information delivery apparatus, a plurality of identical sets of multicast information under respective different transmission conditions that correspond to the different reception conditions of the wireless terminals, said sets being identical to each other as to contents thereof but differing in transmission conditions; and

receiving, at any given one of the wireless terminals, one of the identical sets of multicast information being transmitted under one of the respective different differing transmission conditions, said one of the identical sets being transmitted under one of the different transmission conditions and being received by use of said one of the different transmission conditions that is selected based on the reception quality measured at said given one of the wireless terminals.

Claims 2-8 (Canceled).

Claim 9 (Currently Amended): The method as claimed in claim 1, further comprising ~~the steps of:~~

~~measuring reception quality at each of the wireless terminals, and notifying the information delivery apparatus of measured results of the reception quality; and determining, at the information delivery apparatus, the differing transmission conditions based on the measured results of the reception quality, the differing transmission conditions being used to transmit the plurality of sets of multicast information a step of~~

notifying the information delivery apparatus of the reception quality measured at each of the wireless terminals, wherein said information delivery apparatus selects said one of the different transmission conditions based on the reception quality.

Claim 10 (Original): The method as claimed in claim 9, further comprising a step of having the information delivery apparatus notify the wireless terminals of the differing transmission conditions, wherein said step of receiving receives the one of the sets of multicast information by using the one of the differing transmission conditions that is notified by the information delivery apparatus.

Claim 11 (Currently Amended): The method as claimed in claim 1, ~~further comprising the steps of:~~

~~transmitting, from the information delivery apparatus to the wireless terminals, the differing transmission conditions used to transmit the plurality of sets of multicast information; and measuring reception quality at each of the wireless terminals, and selecting a transmission condition from the reported differing transmission conditions based on the measured reception quality, the selected transmission condition being used for receiving one of the sets of multicast information wherein said one of the different transmission conditions is selected at said given one of the wireless terminals based on the reception quality.~~

Claim 12 (Currently Amended): The method as claimed in claim [[2]] 1, further comprising a step of decreasing a size of the multicast information to be transmitted as the differing transmission rates decrease.

Claim 13 (Original): The method as claimed in claim 12, wherein said step of decreasing adjusts a compression rate of the multicast information to be transmitted so as to decrease the size of the multicast information.

Claim 14 (Currently Amended): The method as claimed in claim [[2]] 1, further comprising the steps of:

storing the multicast information in a buffer at the information delivery apparatus as the multicast information is received from a network; and

assigning channels to the respective sets of the multicast information as the respective sets are read from the buffer at rates of reading corresponding to the differing transmission rates.

Claim 15 (Original): The method as claimed in claim 14, further comprising a step of adjusting the differing transmission rates based on delays of the reading of the multicast information from the buffer.

Claim 16 (Currently Amended): An information delivery apparatus for delivering multicast information by radio to wireless terminals that are experiencing different reception conditions within a service area through wireless routes, comprising:

a multicast information storage unit which stores the multicast information to be transmitted; and

an information delivery control unit which controls said multicast information storage unit so as to transmit ~~transmits~~ a plurality of identical sets of the multicast information, ~~which are identical to each other as to contents thereof but differ in transmission conditions under~~

respective different transmission conditions that are determined based on reception qualities of the wireless terminals reported from the wireless terminals.

Claims 17-24 (Canceled).

Claim 25 (Currently Amended): The apparatus as claimed in claim [[24]] 16, wherein said information delivery control unit notifies the wireless terminals of the determined differing transmission conditions.

Claim 26 (Original): The apparatus as claimed in claim 16, wherein said information delivery control unit notifies the wireless terminals of the differing transmission conditions used to transmit the plurality of sets of multicast information.

Claim 27 (Currently Amended): The apparatus as claimed in claim [[17]] 16 wherein said information delivery control unit decreases a size of the multicast information to be transmitted as the differing transmission rates decrease.

Claim 28 (Original): The apparatus as claimed in claim 27 wherein said information delivery control unit adjusts a compression rate of the multicast information to be transmitted so as to decrease the size of the multicast information.

Claim 29 (Currently Amended): The apparatus as claimed in claim [[17]] 16, wherein said information delivery control unit assigns channels to the respective sets of the multicast information as the respective sets are read from said multicast information storage unit at rates of reading corresponding to the differing transmission rates.

Claim 30 (Original): The apparatus as claimed in claim 29, wherein said information delivery control unit adjusts the differing transmission rates based on delays of the reading of the multicast information from said multicast information storage unit.

Claim 31 (Currently Amended): A wireless terminal for receiving multicast information from an information delivery apparatus ~~through wireless routes, comprising a control unit which measures reception quality of signals received from the information delivery apparatus, and receives one of sets of the multicast information sent from the information delivery apparatus by using transmission conditions selected based on the measured reception quality, wherein the sets of multicast information are identical to each other but differ in transmission conditions by radio, comprising:~~

a reception quality measuring unit which measures a reception quality of a signal received from the information delivery apparatus;

a reception quality notifying unit which transmits the measured reception quality to the information delivery apparatus; and

an information reception control unit which receives one of identical sets of multicast information transmitted from the information delivery apparatus under respective different transmission conditions, said one of identical sets of multicast information being transmitted under one of the different transmission conditions and being received by use of said one of the different transmission conditions that is selected based on the reception quality measured by said reception quality measuring unit.

Claim 32 (Canceled).